

=> fil cap

FILE 'CAPLUS' ENTERED AT 14:58:13 ON 19 DEC 2007

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FILE COVERS 1907 - 19 Dec 2007 VOL 147 ISS 26

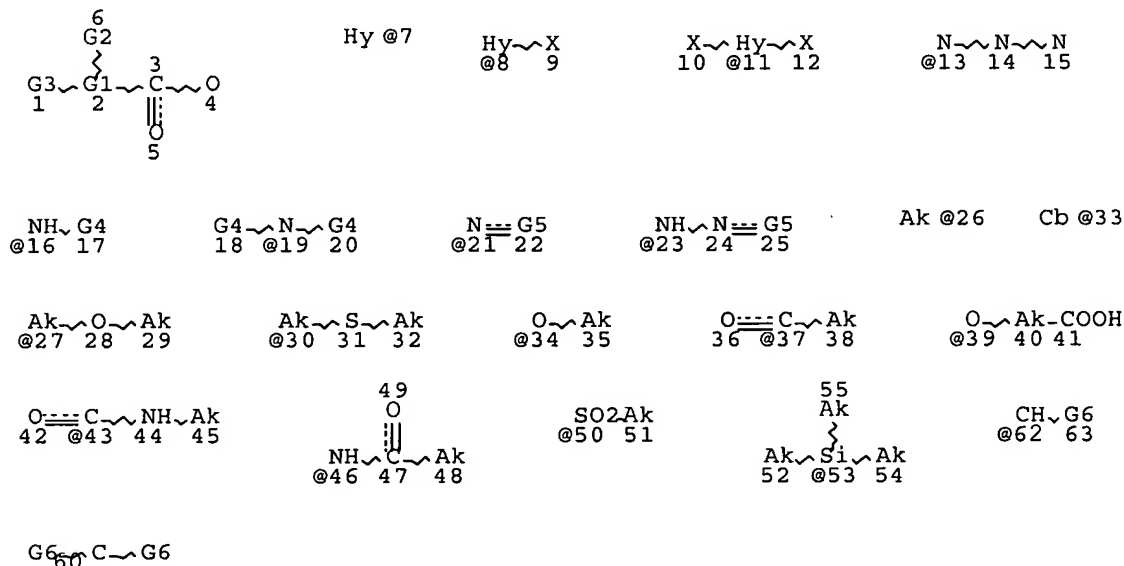
FILE LAST UPDATED: 18 Dec 2007 (20071218/ED)

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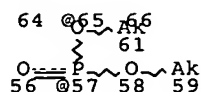
<http://www.cas.org/infopolicy.html>

=> d que 126

L6 STR



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VAR G1=7/8/11

December 19, 2007

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

STEREO ATTRIBUTES: NONE

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GRAPH ATTRIBUTES:

CODEN: BAPCAQ; ISSN: 0001-4095

DOCUMENT TYPE:

Journal

LANGUAGE:

English

GI For diagram(s), see printed CA Issue.

AB Infrared absorption spectra in Nujol or KBr for 4-substituted 6-methylpicolinic acid N-oxides (I) and their methylation products indicate the structure II for I (R = NO₂), two contributing tautomeric structures (II and III) for I (R = H and OMe), and structure IV for I (R = NH₂). The acids I were esterified with CH₂N₂ (V) in MeOH and Et₂O. Me 4-nitro-6-methylpicolinate N-oxide, m. 128.5-29°, was prepared in 92% yield and gave the amide, m. 265-6° (decomposition), on treatment with NH₄OH. The methylation product, m. 166° from IV was obtained in 90% yield and gave on hydrolysis 4-amino-6-methylpicolinic acid, m. 296° (decomposition). Hydrolysis of methylated (CH₂N₂) 4-methoxy-6-methylpicolinic acid N-oxide (oil) with NaOH and KOH afforded a mixture of 4-methoxy-2-picoline (70-75%) and 4-methoxypicolinic acid N-oxide (21-25%). 6-Methylpicolinic acid N-oxide reacted with V to give 6-methyl-2-carbomethoxypyridine N-oxide (40%) and an ionic compound which decomposed on distillation

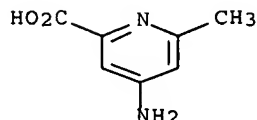
IT 89693-89-0P, Picolinic acid, 4-amino-6-methyl-

RL: PREP (Preparation)

(preparation of)

RN 89693-89-0 CAPLUS

CN Picolinic acid, 4-amino-6-methyl- (7CI) (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 14:03:13 ON 19 DEC 2007)

FILE 'REGISTRY' ENTERED AT 14:03:22 ON 19 DEC 2007

L1 2111 SEA ABB=ON PLU=ON "CARBAMYL"

FILE 'STNGUIDE' ENTERED AT 14:04:22 ON 19 DEC 2007

FILE 'REGISTRY' ENTERED AT 14:15:23 ON 19 DEC 2007

L2 5 SEA ABB=ON PLU=ON "DIMETHYLPHOSPHONYL"
D SCA

L3 334 SEA ABB=ON PLU=ON "PHOSPHONYL"

FILE 'CAPLUS' ENTERED AT 14:23:31 ON 19 DEC 2007

E US2004-816611/APPS

L4 1 SEA ABB=ON PLU=ON US2004-816611/AP
SEL RN

FILE 'REGISTRY' ENTERED AT 14:27:23 ON 19 DEC 2007

L5 16 SEA ABB=ON PLU=ON (76165-18-9/BI OR 767334-31-6/BI OR
767334-32-7/BI OR 767334-33-8/BI OR 767334-34-9/BI OR 767334-35
-0/BI OR 767334-36-1/BI OR 767334-37-2/BI OR 767334-38-3/BI OR
767334-39-4/BI OR 767334-40-7/BI OR 767334-41-8/BI OR 767334-42
-9/BI OR 767334-43-0/BI OR 767334-44-1/BI OR 767334-45-2/BI)

L6 STR
L7 0 SEA SSS SAM L6
L8 3117018 SEA ABB=ON PLU=ON NC5/ES
L9 0 SEA SUB=L8 SSS SAM L6
L10 299 SEA SUB=L8 SSS FUL L6
L11 15 SEA ABB=ON PLU=ON L10 AND L5

FILE 'CAPLUS' ENTERED AT 14:48:55 ON 19 DEC 2007
L12 258 SEA ABB=ON PLU=ON L10
L13 224 SEA ABB=ON PLU=ON L12 AND (PY<2004 OR PRY<2004 OR AP<2004)
L14 224 SEA ABB=ON PLU=ON L12 AND (PY<2004 OR PRY<2004 OR AY<2004)
SAV TEMP L14 QAZI611/A

FILE 'REGISTRY' ENTERED AT 14:50:25 ON 19 DEC 2007
L15 STR L6
L16 3 SEA SUB=L10 SSS SAM L15
L17 112 SEA SUB=L10 SSS FUL L15

FILE 'CAPLUS' ENTERED AT 14:51:18 ON 19 DEC 2007
L18 122 SEA ABB=ON PLU=ON L17

FILE 'REGISTRY' ENTERED AT 14:54:32 ON 19 DEC 2007
L19 STR
L20 64 SEA SUB=L10 SSS FUL L19
L21 15 SEA ABB=ON PLU=ON L20 AND L5

FILE 'CAPLUS' ENTERED AT 14:56:10 ON 19 DEC 2007
L22 76 SEA ABB=ON PLU=ON L20
L23 65 SEA ABB=ON PLU=ON L22 AND (PY<2004 OR AY<2004 OR PRY<2004)

FILE 'REGISTRY' ENTERED AT 14:57:12 ON 19 DEC 2007
L24 STR L19
L25 36 SEA SUB=L10 SSS FUL L24

FILE 'CAPLUS' ENTERED AT 14:57:32 ON 19 DEC 2007
L26 36 SEA ABB=ON PLU=ON L25

FILE 'REGISTRY' ENTERED AT 14:57:45 ON 19 DEC 2007
SAVE TEMP QAZI611STR/A L10

FILE 'CAPLUS' ENTERED AT 14:58:13 ON 19 DEC 2007
D QUE L26
D L26 IBIB ABS HITSTR TOT